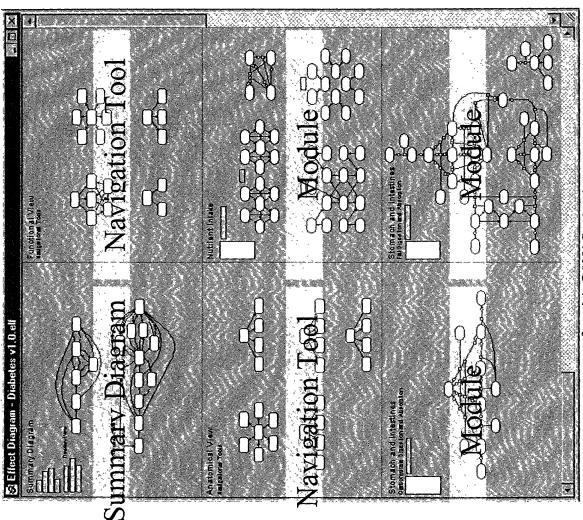


FIG. 1



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FIG. 2

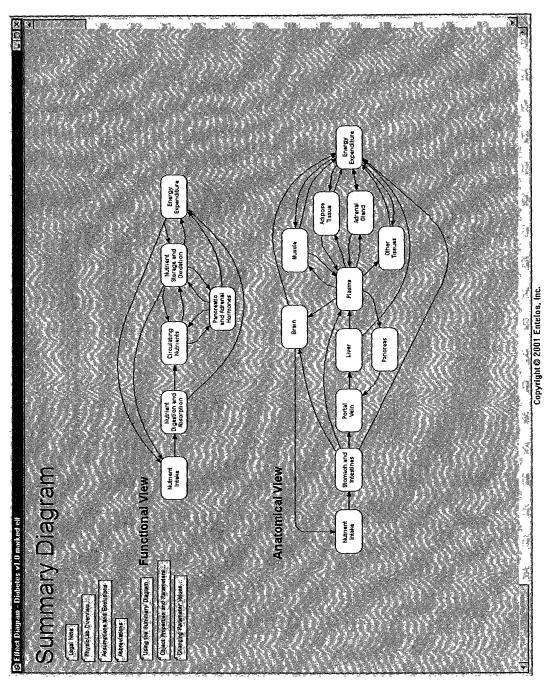


FIG. 3

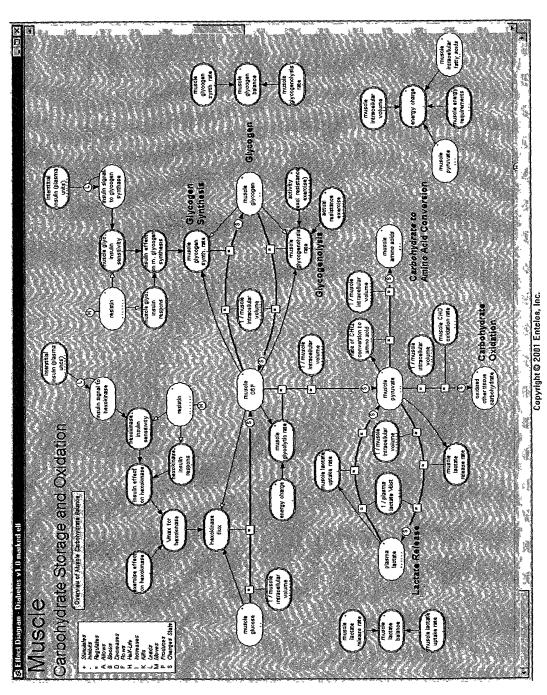


FIG. 4

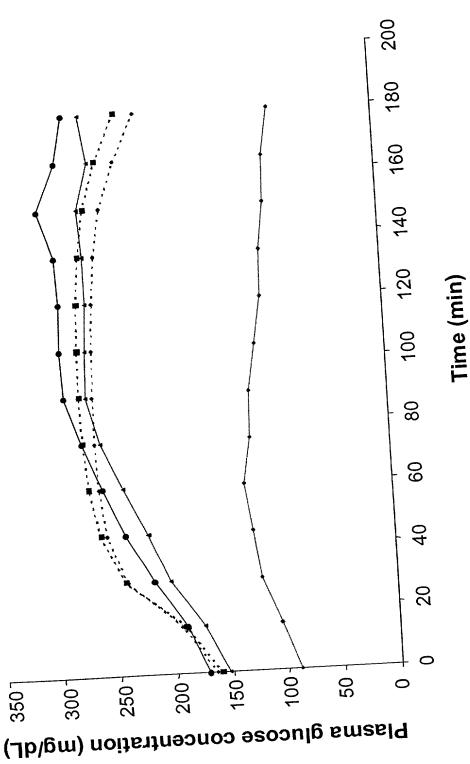
34 444
Parameter Sets
E Siologic specification
Er 🔄 Adipose tissue and lipid metabolism
Kt. Adipose lipolysis, LPL, & esterification
Kt. Basal lipolysis rate and esterification rates
Cher tissues
W.Kt Other tissues lactate
Li 🕲 Pancreas
K ^t . Alpha cell
Muscle
"Kt Muscle glucose uptake and phosphorylation
-Kt Muscle glycogen synthesis
K ^t _c Muscle proteolysis
Liver
-K ^c Liver glycagenolysis
The discovingse

FIG.

Ċ				
Name	Parameter Set. Name	Value Set	100	
₩.	Muscle glucose uptake and phosphorylation	ppoul.	moderate diabelio #1	
Desci	Description	Descri	Description	
This series	This parameter set is used to modify the physiology of the muscle uptake and phospholylation. In particular, the sensitivity and expressively and particular, the sensitivity and expressively and properties the physiology of the modify and particular that are properties to the physiology of the muscle particular than the physiology of	glucose 🕒	First value set edjusts parametric values partaining to muscle glucose uptake thereby reducing the effect of insulin to stimulate glucose uptake	scie glucose
ş			<u> </u>	A
 	Notes. Format.			
Type	Location	☐ Persmeter	Beseline Value Set □ Alternate Value Set ▶	V Units
***************************************	ner sootet edecket best e delest it Markendoords debenmanden aanst namen hate oorden	APP STAND S FEEL STORE AT APP E WHILE A COURTED DEST COMPARISON AND FROM CONTRACTOR	moderate diabetic #1	***************************************
	MGU insulin sensitivity	sensitivity shift	200	EQT.
0	MGU insulin respons.	basal responsiveness	80	normalized
0	hexokinase insulin respons.	basal responsiveness	20	normalized
0		sensitivity shift		ImOrt
0		effect at low insulin	8.0	normalized
8	Diabetes v1.0 marked.elf (ED)	basal muscle glucose uptake	28	mg/min
				dr.
				- Sa

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FIG. 6

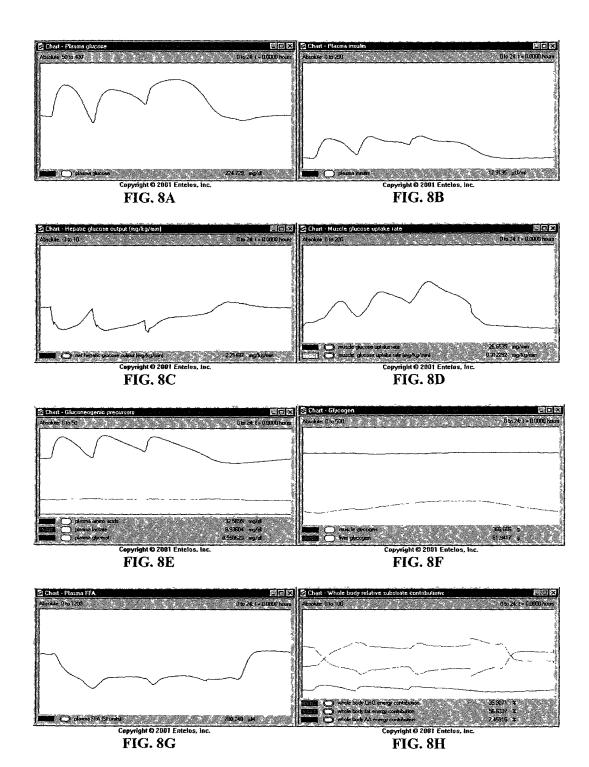


--- measured data: obese type II diabetic

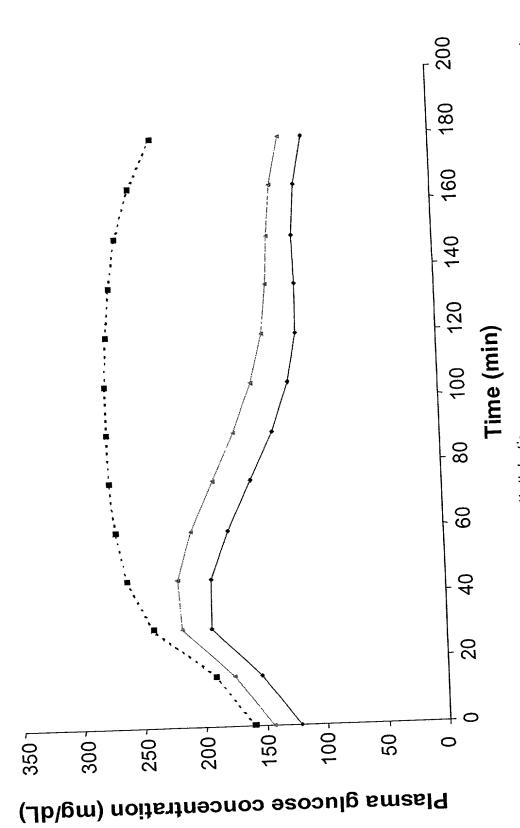
- - - model simulation results: obese type II diabetic . +--model simulation results: lean type II diabetic

--- measured data: lean type II diabetic

-- measured data: lean normal



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--- simulated obese type II diabetic simulated obese type II diabetic with muscle insulin sensitizer

FIG. 9

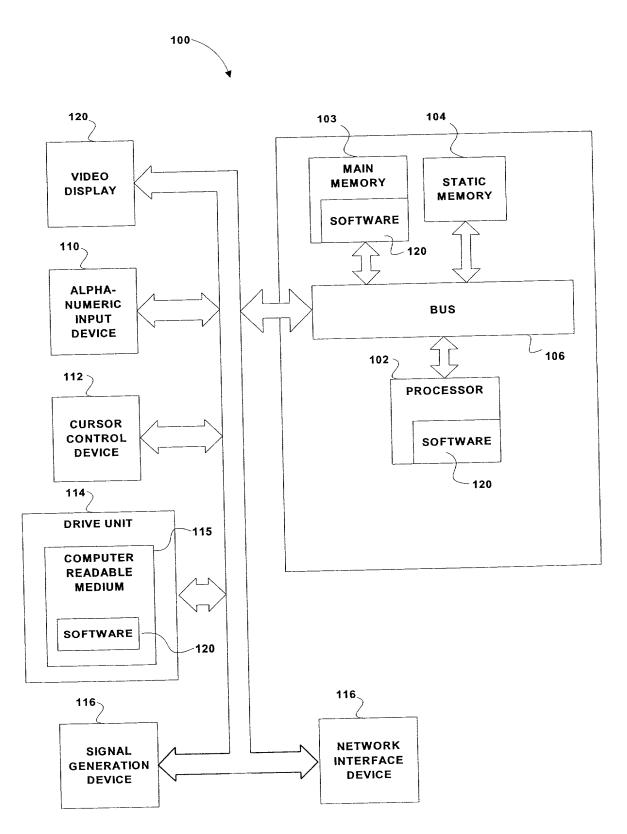
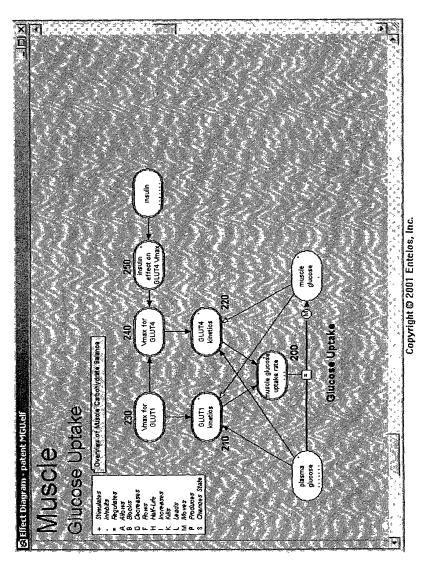


FIG. 10



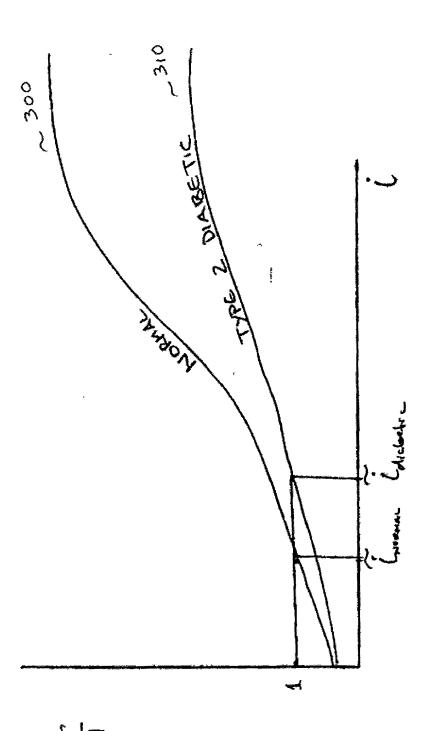


FIG. 12